

Title: Protein characterization of intracellular target-sorted, formalin-fixed cell subpopulations

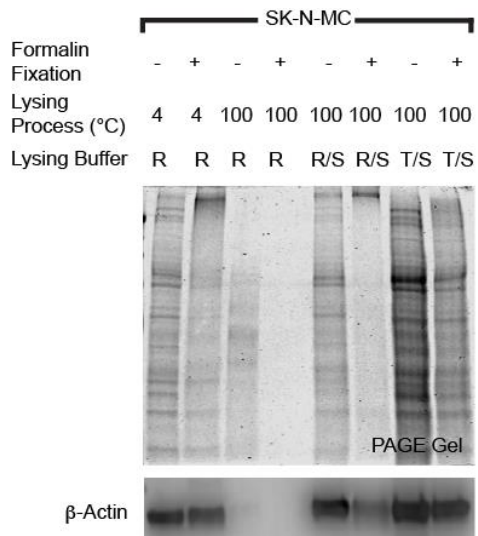
Full names:

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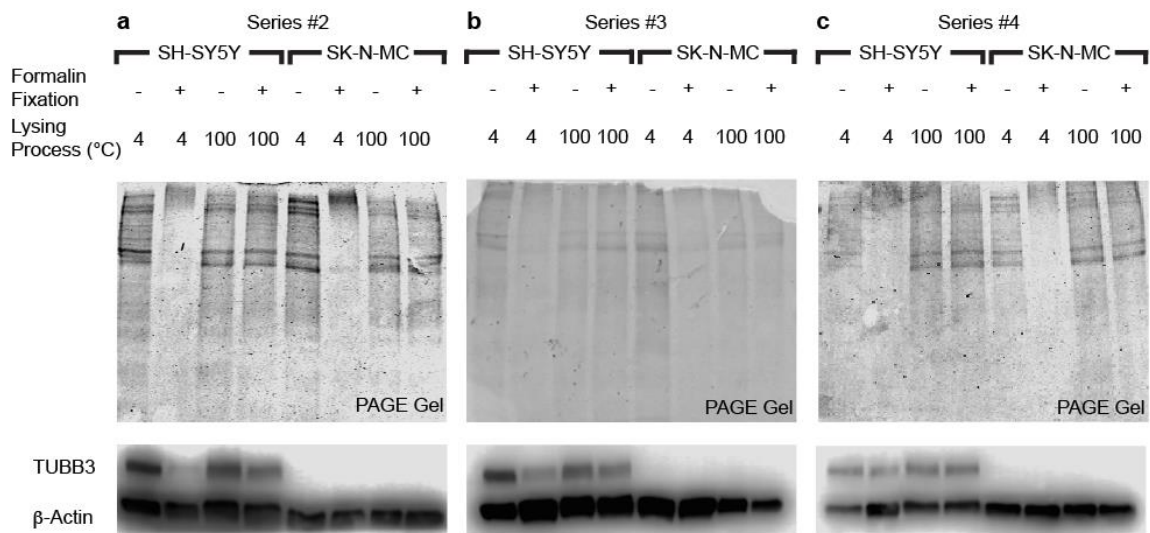
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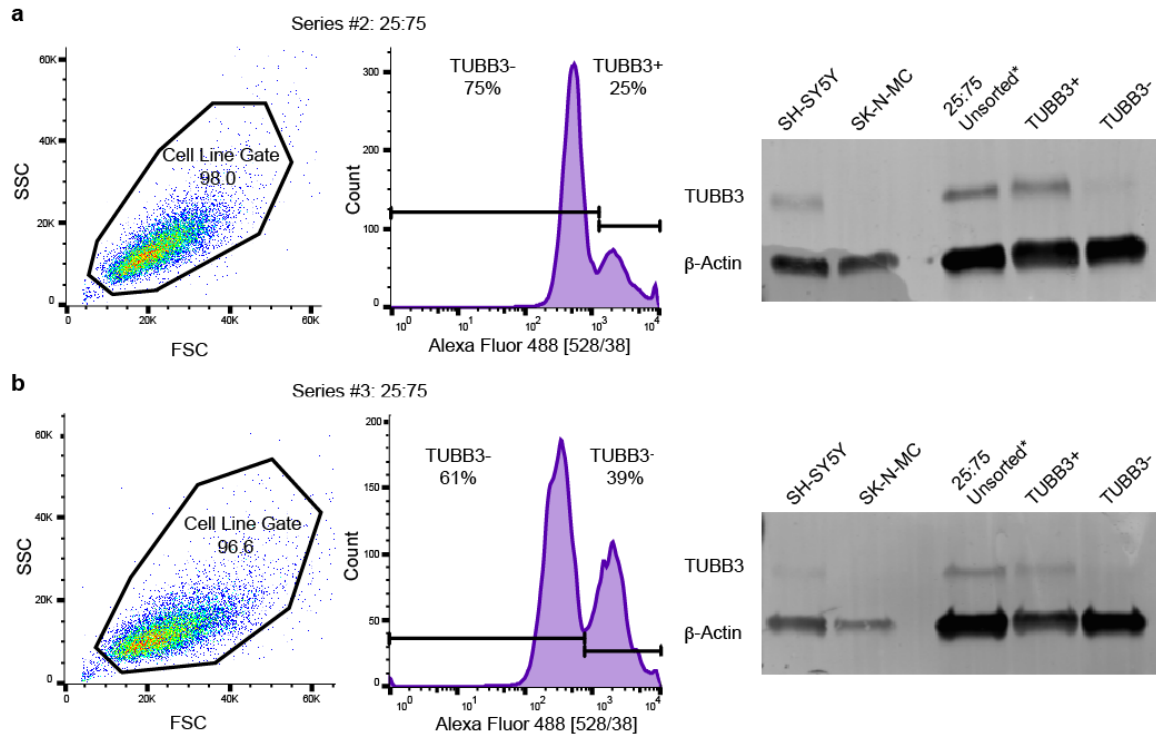
Supplementary Figure S1. **Lysis protocol evaluation.** Trial run assessing lysis buffers ability to extract protein from fresh and formalin-fixed samples as compared by Coomassie Blue stained PAGE gels and WB. R, radioimmunoprecipitation assay (RIPA) buffer; R/S, RIPA buffer and 2% SDS; T/S, 300 mM Tris-HCl and 2% SDS. All lysis buffers had 2X protease and phosphatase inhibitor cocktail.



Supplementary Figure S2. **Protein extraction and lysis protocol independent replicates.** (a) Series 2, (b) Series 3, and (c) Series 4 validating protein extraction from fresh and formalin-fixed samples as compared by Coomassie Blue stained PAGE gels and WB. Series 1 is presented in Fig. 1.



Supplementary Figure S3. **TUBB3** antibody-labeling of cells did not interfere with subsequent WB probing for the same epitope.



Supplementary Figure S4. **Cell line, controlled-ratio independent replicates.** (a) Series 2 and (b) Series 3 of intracellular target-based FACS validation experiments using artificially heterogeneous cell line populations. 25:75 unsorted* samples were not run through the sorter. Series 1 is presented in Fig. 2.